

**NWPMA Condition Survey Committee Meeting Minutes**  
**January 8, 2002**  
**REVISED 2-13-02**

Attendees:

Bill Whitcomb – City of Vancouver  
Bob Brooks – WST2 Center  
Dave Whitcher – CRAB  
Walt Olsen - CRAB  
Derald Christensen – Measurement Research Corporation  
Bud Furber – Pavement Services, Inc.  
Don Zimmer – Thurston County  
Eric Edwards – Pierce County  
Gary Van Auken – City of Kent  
N. Sivanewaran (Siva) – WSDOT Materials Lab  
Newt Jackson - Nichols Consulting Engineers  
Paul Sachs - Nichols Consulting Engineers  
Cathy Nicholas – FHWA

- ❖ The meeting was called to order by Bill Whitcomb at approximately 9:40 am and began with introductions by attendees
- ❖ The minutes for the last meeting held on November 16, 2001 was formally approved by the committee
- ❖ The committee reviewed it's purpose and what it hopes to accomplish and recommend to the NWPMA membership
- ❖ Newt Jackson informed the committee that he had to leave early and his and Siva's presentation was moved up on the agenda
- ❖ Bill Whitcomb expressed a desire to have the work of the committee posted out on the internet, perhaps in a summary format
- ❖ The remainder of the day was spent with presentations to the committee on the attributes of the various pavement management systems identified by the committee at previous meetings
- ❖ Newt Jackson and Siva did a presentation on the Pavement Structural Condition (PSC) method used by the state DOT (see attached PSC file)
  - PSC is a composite index best suited to state highways
  - Not the most technologically sound but works well at state level to program projects to minimum overlay depth on high volume roads

- IRI (ride quality) and rutting also used to program projects – perhaps 10% of all projects
  - Set to trigger a project when a PSC of 50 is reached (equal to 10% medium to high severity equivalent cracking or 25% low to medium equivalent cracking)
  - Not well suited for local agencies – would require adjustment of trigger point
- ❖ Presentation by Paul Sachs on the Paver system (see attached Paver file)
- Developed in the 1970's and has not had extensive updating since that time
  - Uses individual distresses to evaluate pavements
  - Used by many local agencies as a starting point and then adapted to meet local needs
  - Adopted by ASTM as a local agency standard
  - One plus for this system is the correction procedure for multiple distresses
- ❖ Presentation by Bill Whitcomb and Derald Christensen on the Modified Paver system (see attached Mod Paver file)
- Modified Paver method for collecting and evaluating data
  - Used by the City of Vancouver, Spokane County, and Pierce County as well as others
  - Pierce County and Spokane County outlined their modifications to this system (see attached Mod Paver file)
- ❖ Presentation by Dave Whitcher and Don Zimmer on the Matrix Method
- Developed using ranges for distress evaluation
- ❖ Presentation by Bob Brooks and Paul Sachs on StreetWise
- Simplified system developed for use by small local agencies
  - Works well for small agencies but suffers some in accuracy for the sake of simplicity
- ❖ The committee discussed the possibility of using the Paver curves as a standard and then adapting them for each local agency as need be
- ❖ Derald Christensen mentioned his paper on the comparison of rating systems and suggested that it might be worth reading by the committee
- ❖ The committee agreed that the criteria established by the committee for the evaluation of rating systems should be followed when considering these various systems

- ❖ The committee agreed to meet next on February 12, 2002 at CRAB
- ❖ At the request of Bill Whitcomb, committee chair, at the February 12, 2002 committee meeting these minutes are revised to include Derald's offer to prepare a proposal for the committee to consider. Derald prepared and sent to the WST2 center a draft proposal titled "Proposed Recommendations for a Pavement Distress Rating System And Score Calculation Procedures For Washington State Local Agencies". This document was then distributed to all the committee members by Bob Brooks for study prior to the February 12, 2002 meeting.